

Title (en)

LIQUID JET HEAD AND LIQUID JET APPARATUS

Title (de)

FLÜSSIGKEITSSTRAHLKOPF UND FLÜSSIGKEITSSTRAHLVORRICHTUNG

Title (fr)

TÊTE À JET LIQUIDE ET APPAREIL À JET LIQUIDE

Publication

**EP 3156239 A1 20170419 (EN)**

Application

**EP 16193783 A 20161013**

Priority

JP 2015204914 A 20151016

Abstract (en)

A liquid jet head includes a spacer plate that has one surface on which an actuator plate is positioned and has a side flow path communicating with ejection grooves, and an air bubble retention suppression unit that is provided on the spacer plate and suppresses retention of air bubbles in the side flow path.

IPC 8 full level

**B41J 2/19** (2006.01)

CPC (source: CN EP US)

**B41J 2/14** (2013.01 - CN); **B41J 2/14209** (2013.01 - EP); **B41J 2/1433** (2013.01 - US); **B41J 2/19** (2013.01 - CN EP US); **B41J 2202/07** (2013.01 - CN); **B41J 2202/12** (2013.01 - EP US)

Citation (applicant)

JP 2015077737 A 20150423 - SII PRINTEK INC

Citation (search report)

- [XY] GB 2497672 A 20130619 - SII PRINTEK INC [JP]
- [Y] US 2008158304 A1 20080703 - ETO YOSHIRO [JP]
- [A] US 2012062659 A1 20120315 - TSUBAKI KENGO [JP]
- [A] US 2015109373 A1 20150423 - HORIGUCHI SATOSHI [JP]

Cited by

GB2569629A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

**EP 3156239 A1 20170419**; CN 106965557 A 20170721; CN 106965557 B 20191119; JP 2017074759 A 20170420; JP 6684068 B2 20200422; US 2017106663 A1 20170420; US 9908339 B2 20180306

DOCDB simple family (application)

**EP 16193783 A 20161013**; CN 201610897013 A 20161014; JP 2015204914 A 20151016; US 201615273763 A 20160923